

Abstract

[PROBLEMS] A magnetic resonance imaging apparatus in which vibration of a gradient magnetic field coil is reduced, the vibration is not transmitted to a static magnetic field correcting unit, and the space can be saved.

[MEANS FOR SOLVING PROBLEMS] A tabular gradient magnetic field generating unit is placed over each opposing surface of support member therebetween. A static magnetic field correcting unit

for correcting the uniformity of the static magnetic field is placed between the static magnetic field generating unit and the gradient magnetic field generating unit. The static magnetic field correcting unit is a tabular shim tray provided with magnetic body pieces for correcting the uniformity of the static magnetic field, and is placed over each of the pair of the opposing surfaces of static magnetic field generating units, with a second supporting member therebetween. Since the gradient magnetic field generating unit is thus supported by the static magnetic field generating unit through the second support member different from the first support member, vibration from the gradient magnetic field generating unit is not transmitted directly to the static magnetic field correcting unit.